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Sheng Wu Gong Cheng Xue Bao. 2002 Nov;18(6):749-53.

[The construction of cDNA expression library from the tentacles of *Sagartia rosea*]

[Article in Chinese]

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Abstract

A cDNA expression library of the tentacles of *Sagartia rosea* was constructed. The cDNA was cloned into eukaryotical expression plasmid pcDNA3. SMART protocol was used for cDNA library construction and bioinformatics analysis was carried out. 71 novel EST clones were obtained from 130 sequences in the library, of which there were 21 full-length clones, including cytolysin genes, fluorescent protein, ubiquinol-cytochrome C reductase gene, elongation factor, ferritin gene, riboflavin kinase gene, ribosomal protein. This provides a base for further investigating their biological activity and application.

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